

ABSTRACT

A pneumatic tire comprises a bead core and a rubber bead apex provided in each bead portion, and a carcass comprising a carcass ply turned up around the bead core from the inside to the outside of the tire to form a pair of turned up portions and a main portion therebetween. The bead apex is made of hard rubber disposed between the main portion and turned up portion and extending radially outwards from the bead core. The length (LA) of the bead apex is in a range of from 0.1 to 0.25 times the tire section height (H). A reinforcing cord layer is disposed along the axially inside of the turned up portion. The radially outer end (FU) of the reinforcing cord layer is positioned radially outside the radially outer end (BU) of the bead apex but radially inside the maximum tire section width point (M). The radially inner end (FD) of the reinforcing cord layer is positioned radially outside the radially outer end of the bead core but radially inside the radially outer end (BU) of the bead apex. The length (LB) of the reinforcing cord layer is in a range of from 1.2 to 2.0 times the bead apex length LA. The sidewall portion of the tire has a minimum thickness (Wmin) being in a range of not more than 0.5 times a maximum thickness (Wmax) of a region where the reinforcing cord layer exists.